

Fig. 1

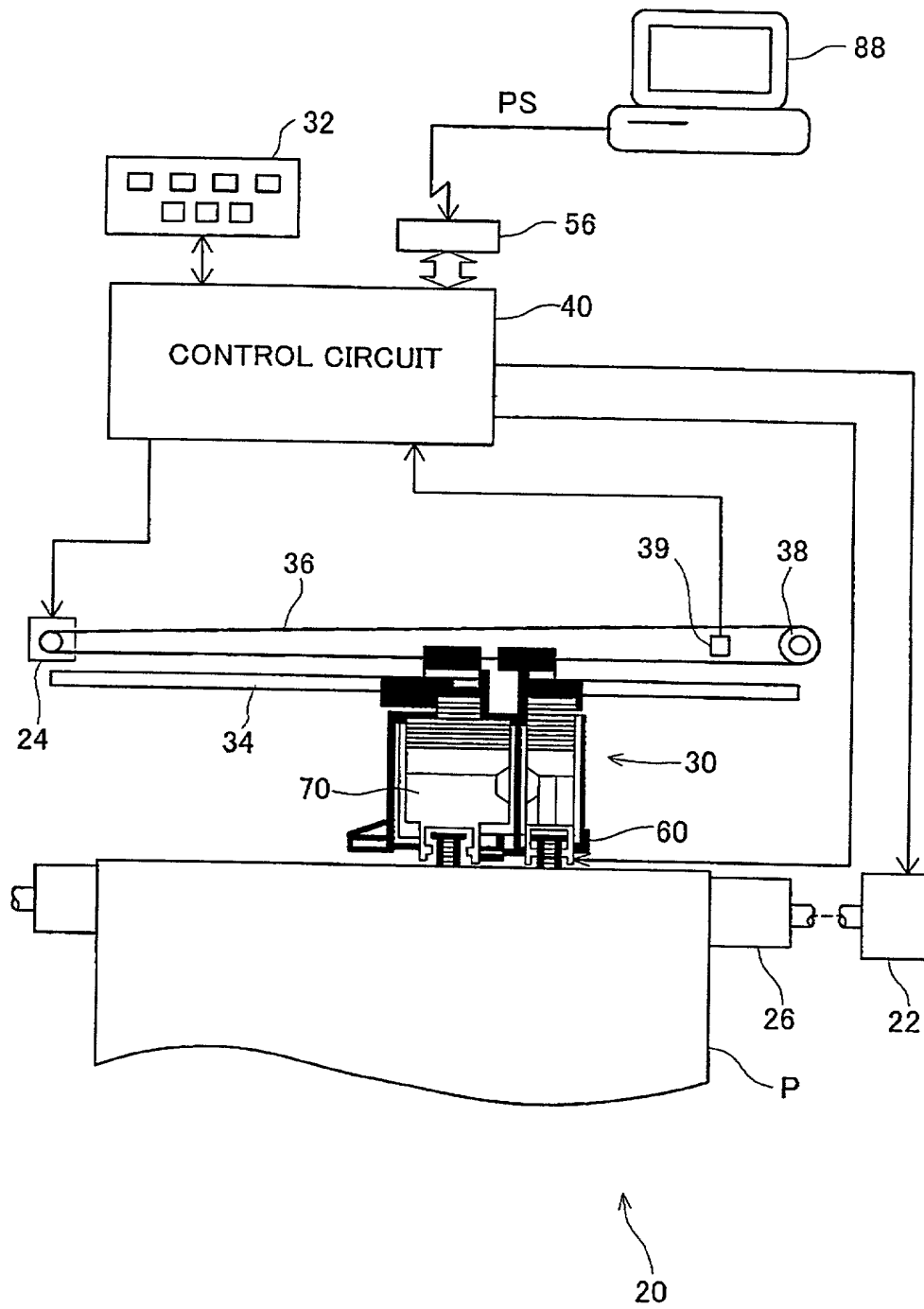


Fig. 2

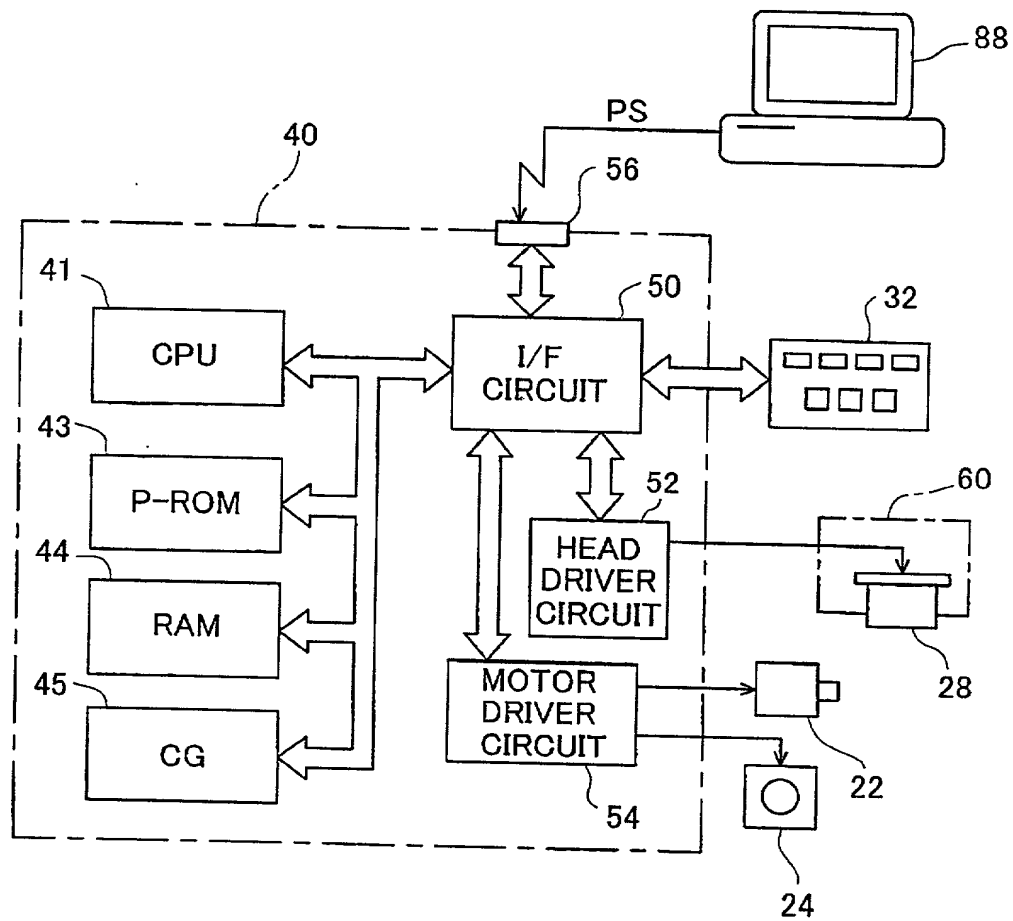


Fig. 3

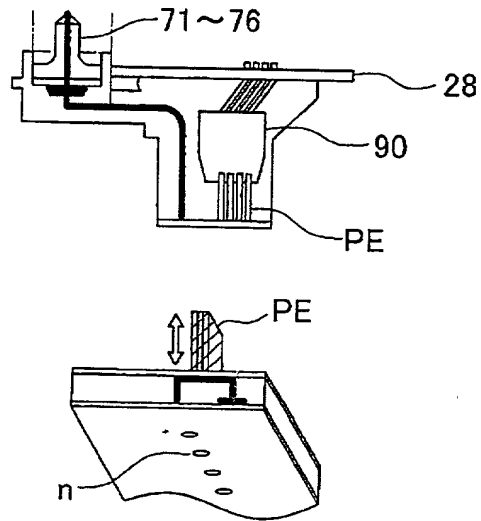


Fig. 4A

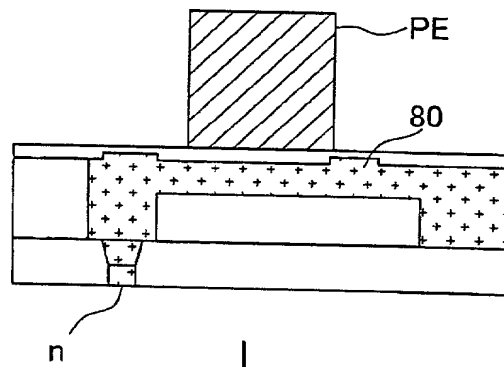


Fig. 4B

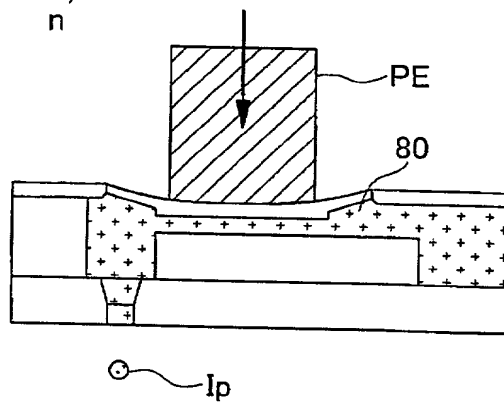


Fig. 5

FIRST EMBODIMENT

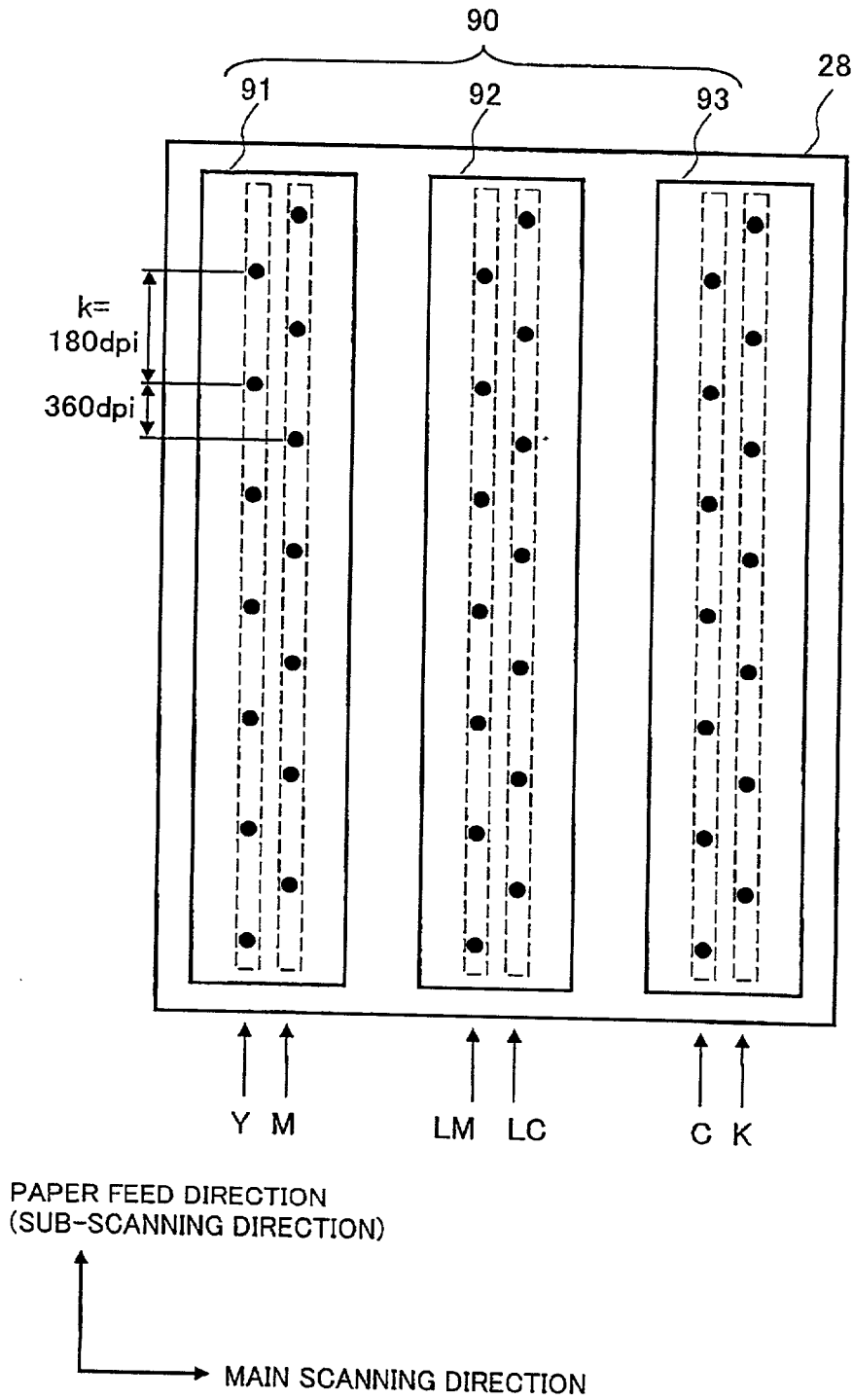


Fig. 6

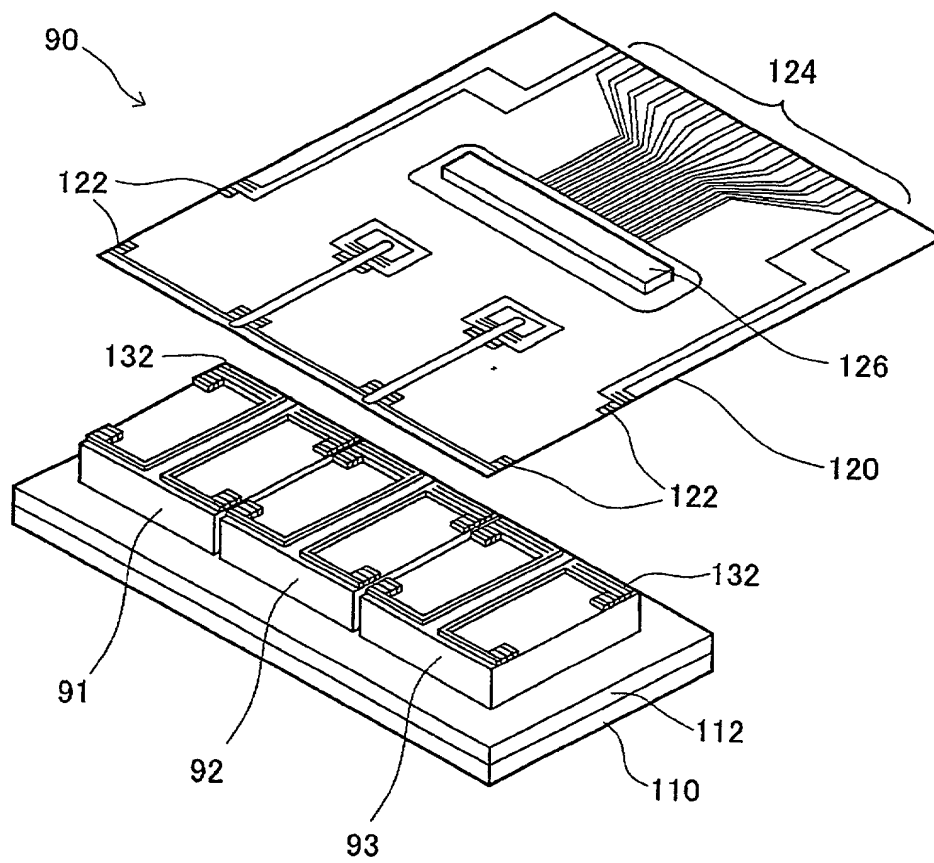


Fig. 7

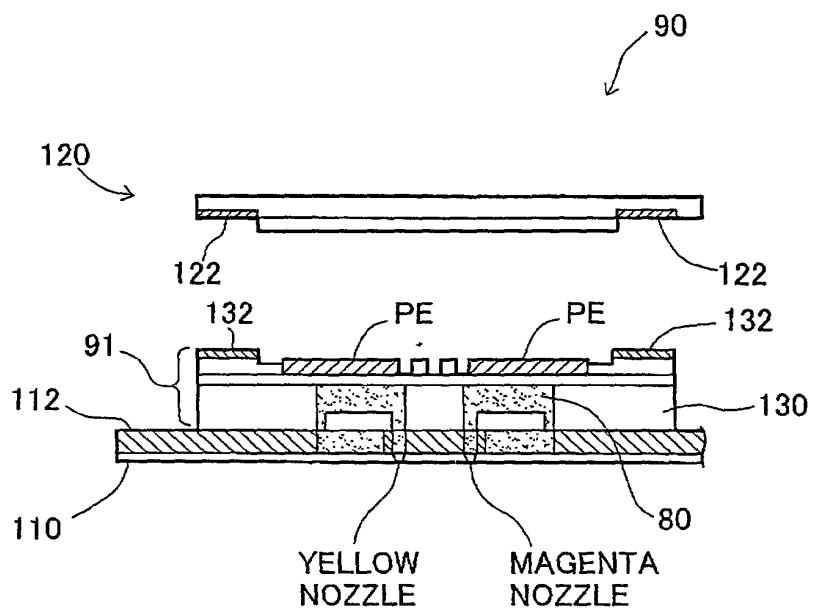


Fig. 8

INK PASSAGE ARRANGEMENT OF FIRST EMBODIMENT

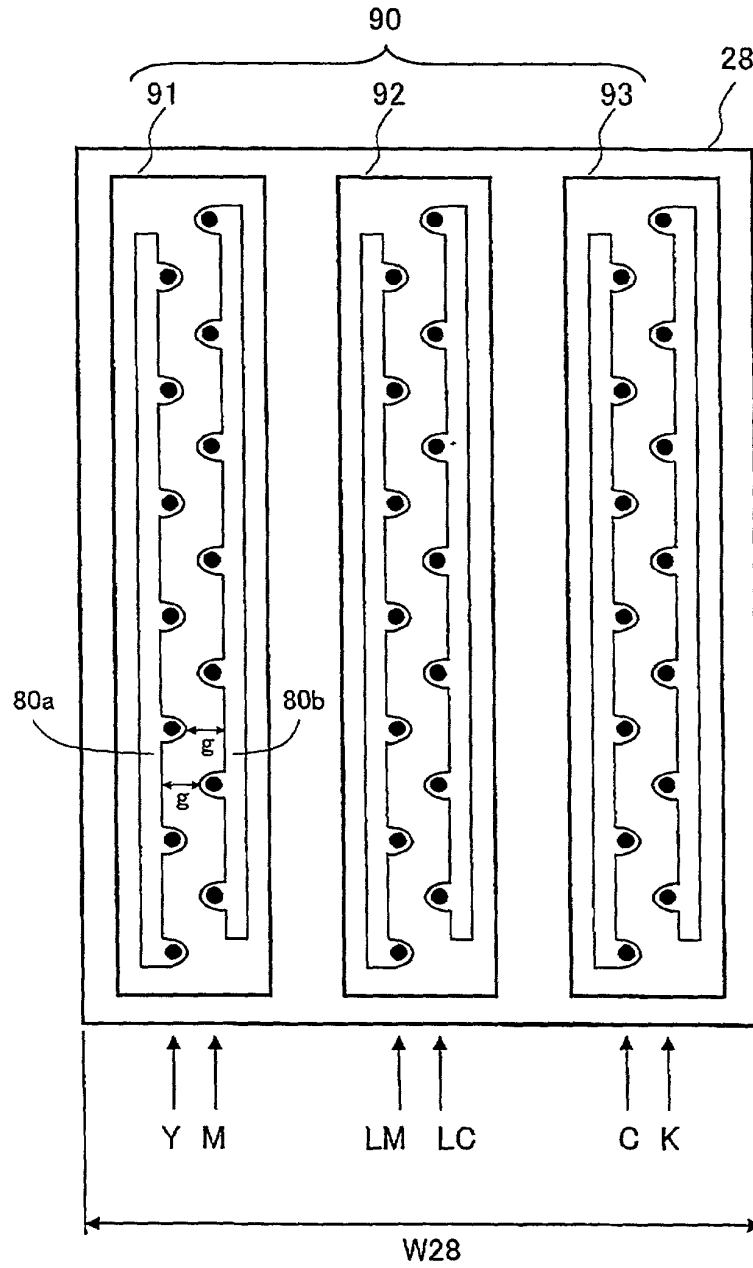
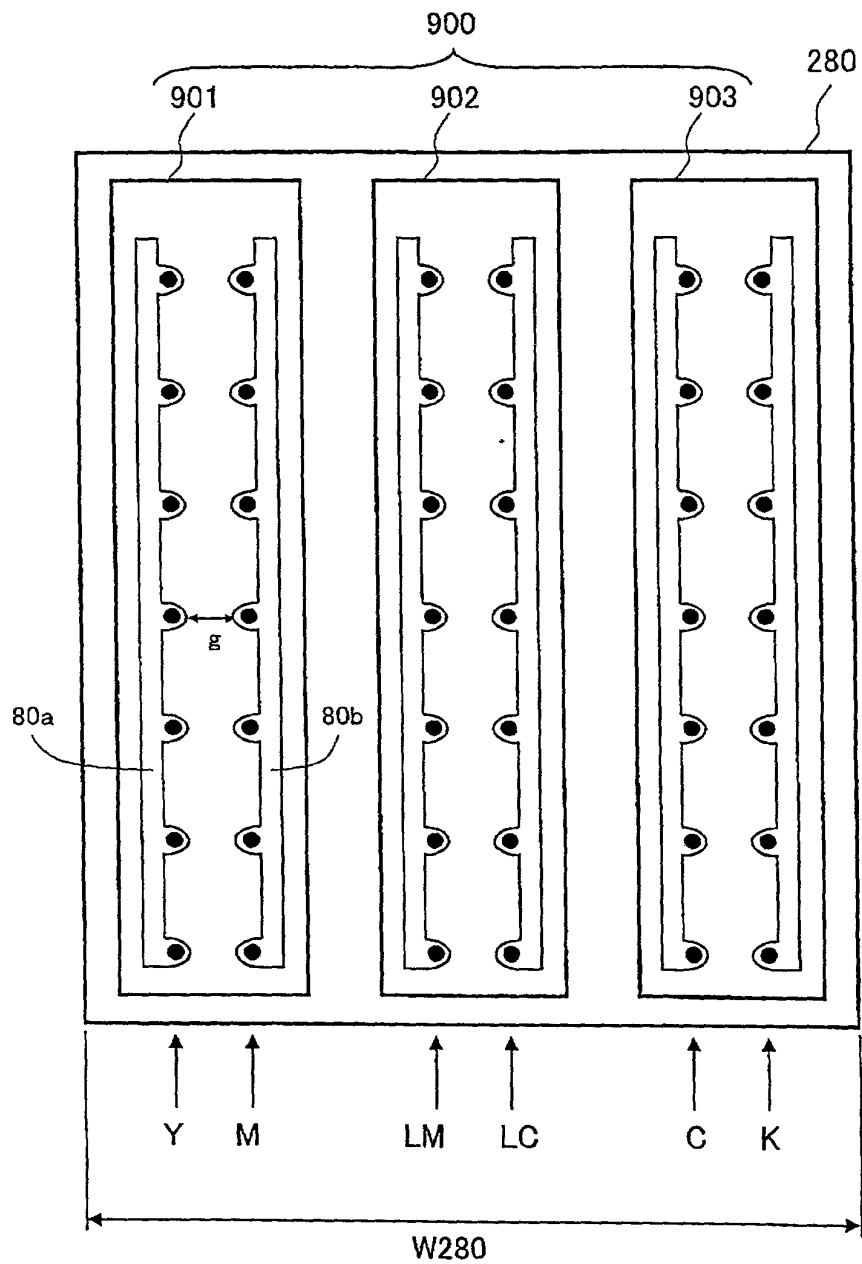


Fig. 9

INK PASSAGE ARRANGEMENT OF COMPARATIVE EXAMPLE



( W28 < W280 )



Fig. 10

SECOND EMBODIMENT

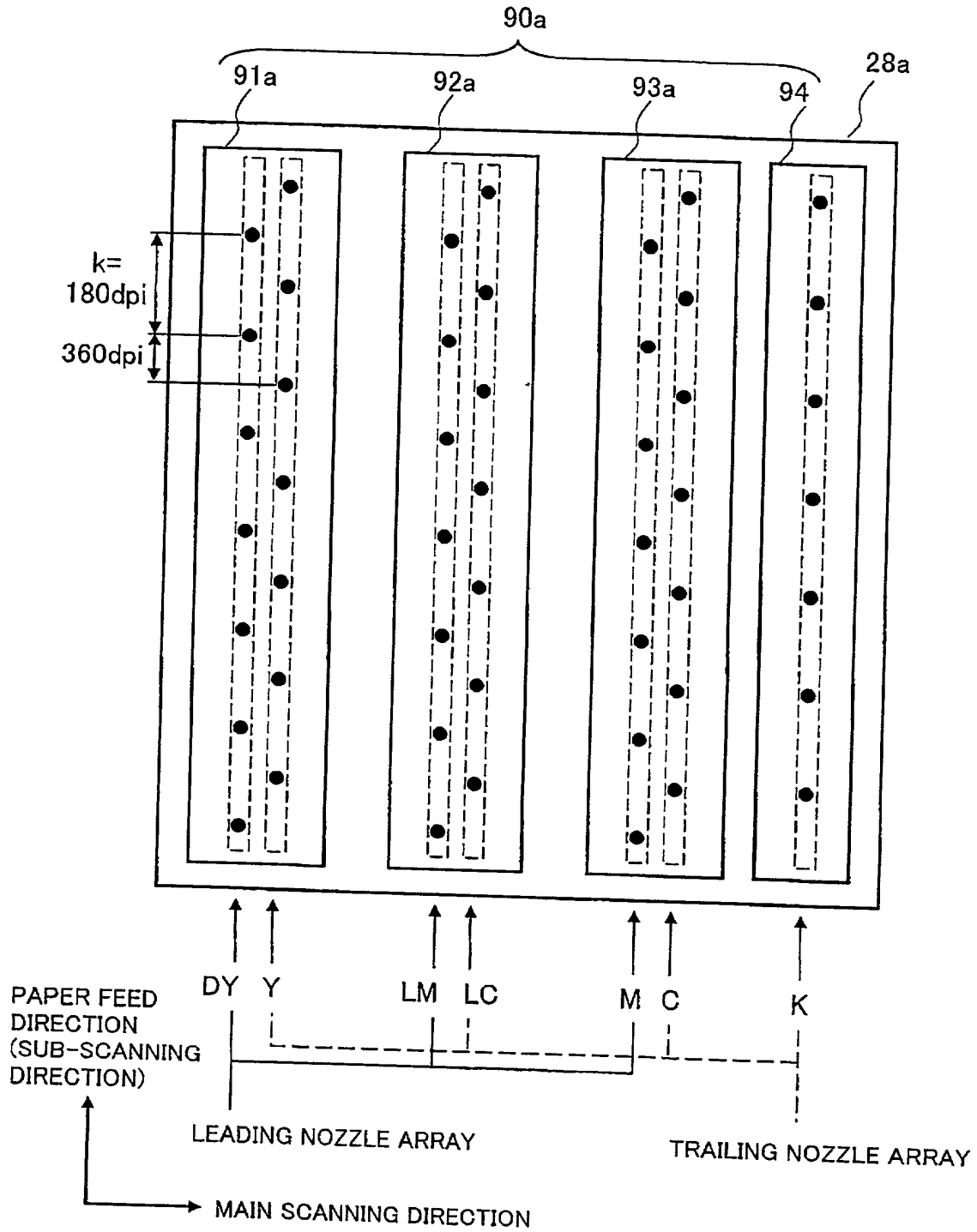


Fig. 11A

Fig. 11B

ACTUAL NOZZLE ARRAYS

EQUIVALENT NOZZLE ARRAY

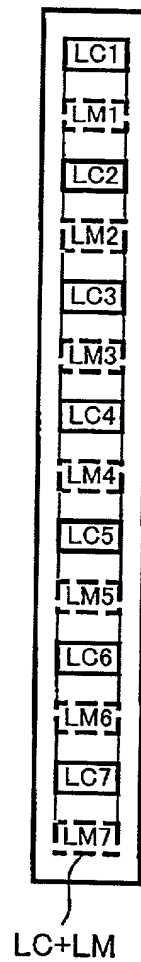
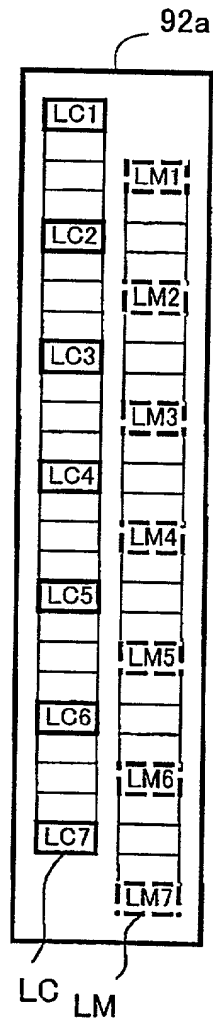
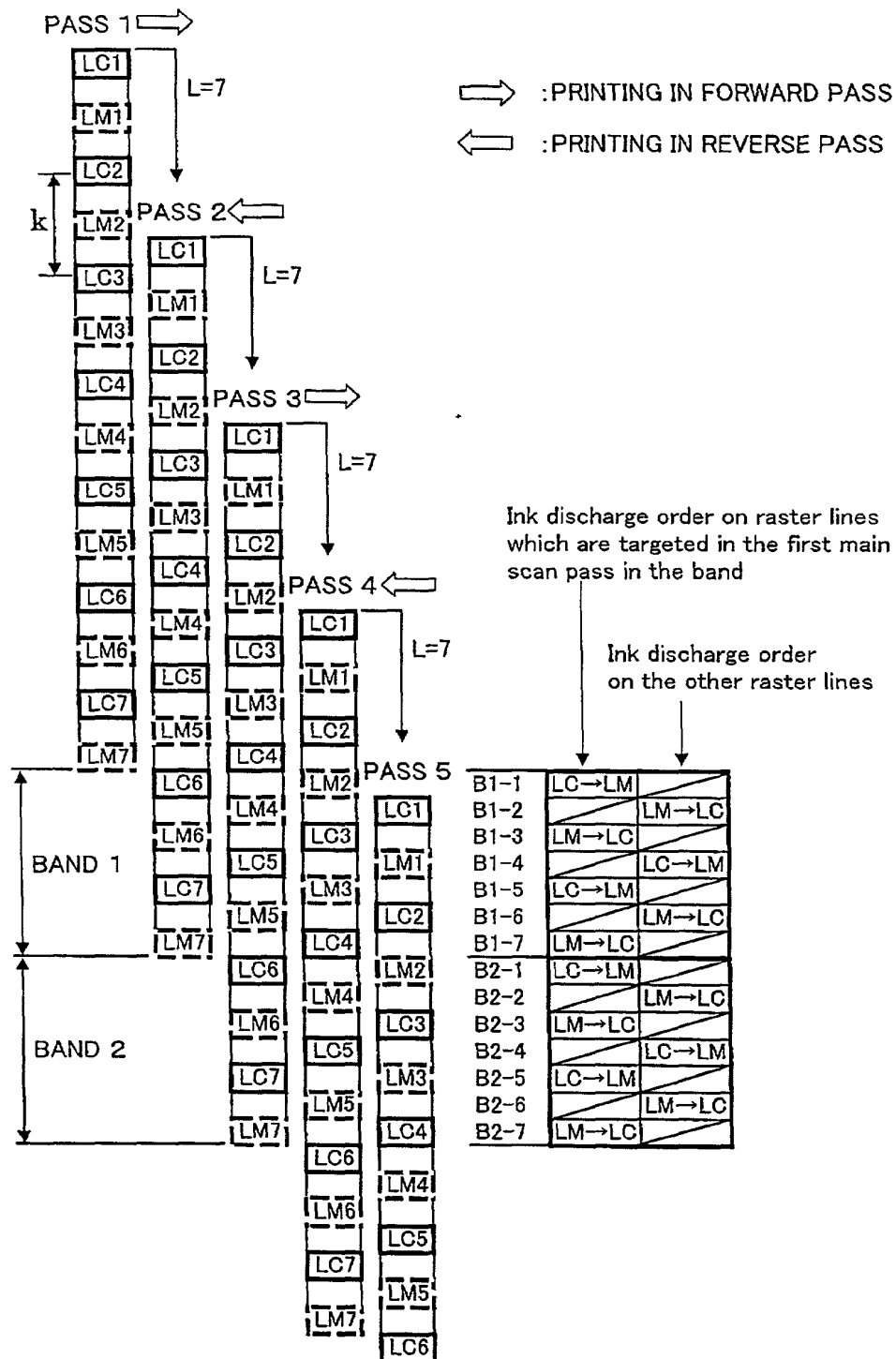


Fig. 12

BI-DIRECTIONAL PRINTING WITH PRINT HEAD  
OF SECOND EMBODIMENT



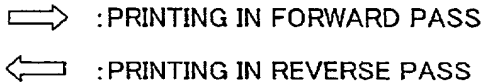
[illegible]BI-DIRECTIONAL PRINTING WITH PRINT HEAD  
OF COMPARATIVE EXAMPLE

Fig. 14

THIRD EMBODIMENT

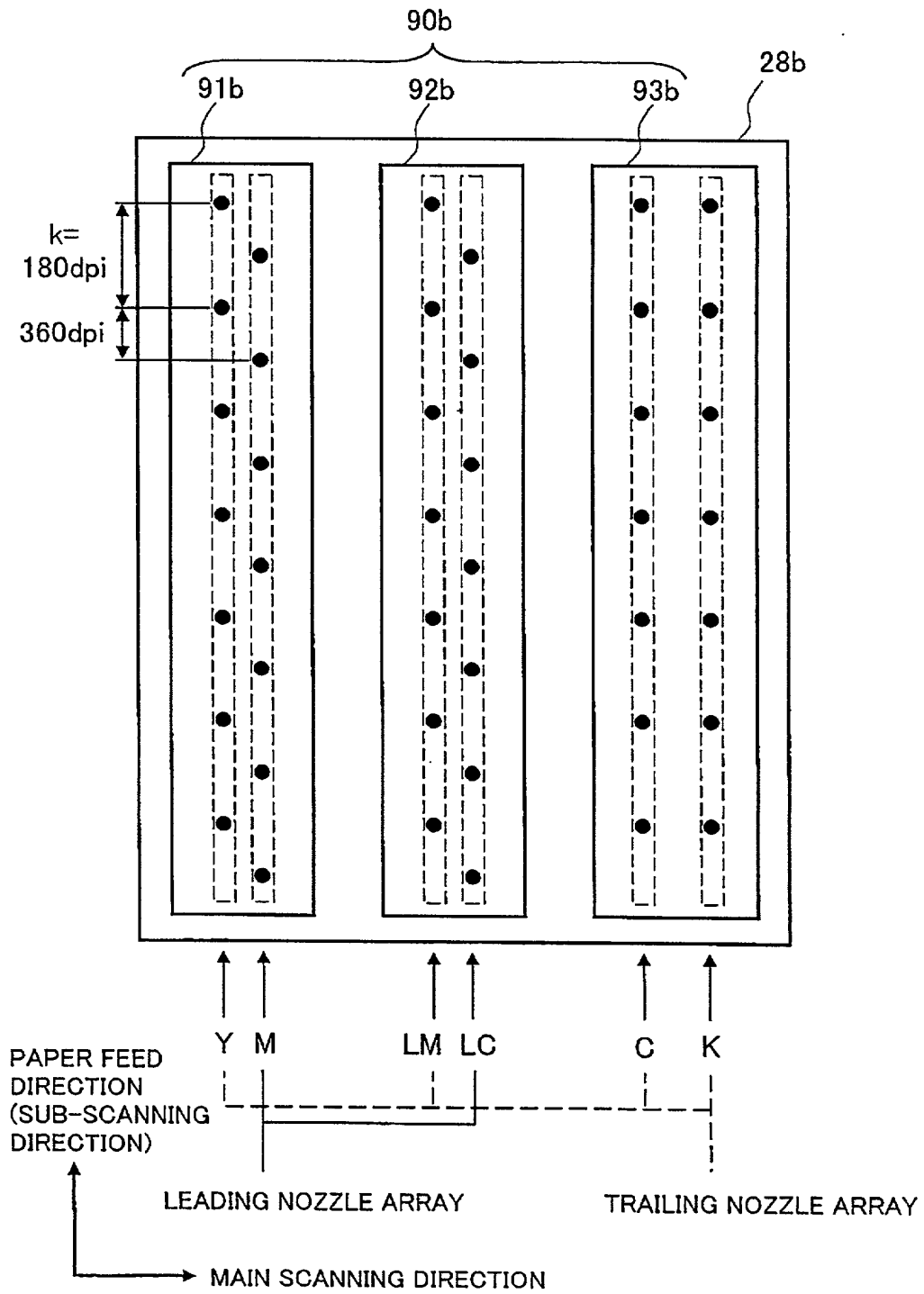


Fig. 15

DIVISION OF PRINTING MODE

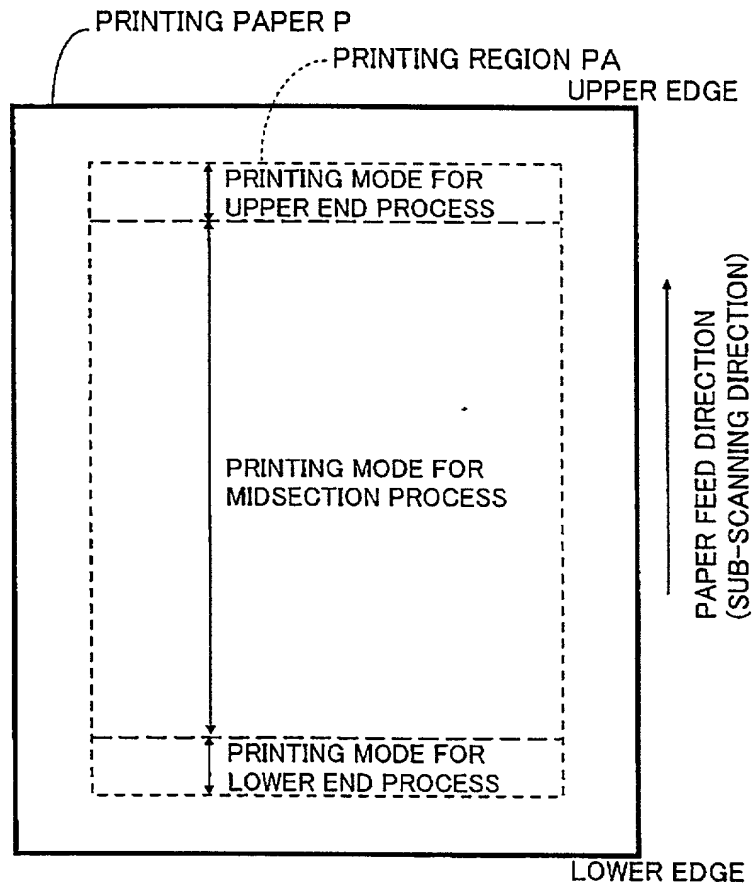


Fig. 16

FIRST EXAMPLE OF MIDSECTION PROCESS

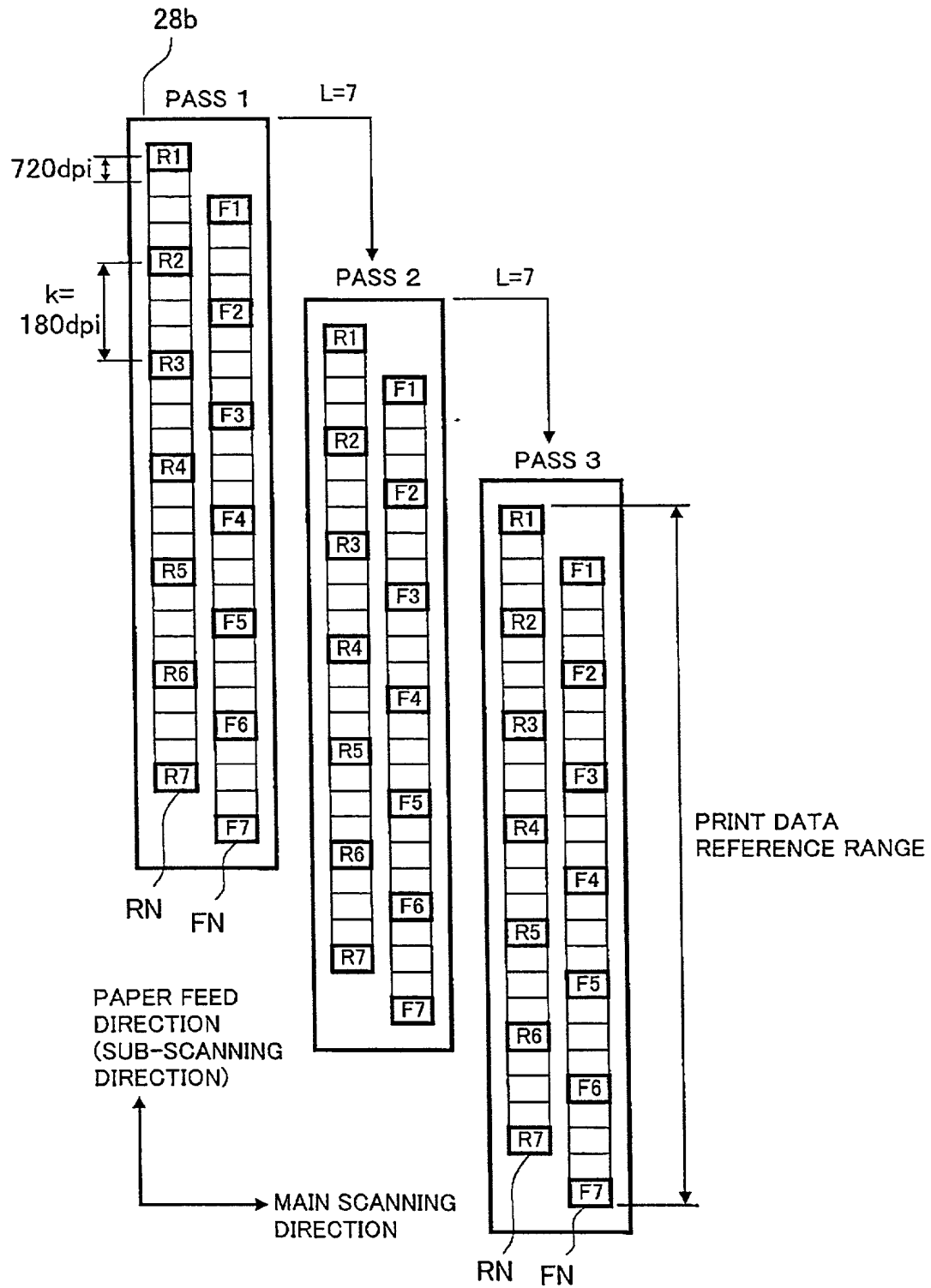


Fig. 17A

TRAILING  
NOZZLE ARRAY RN

Fig. 17B

LEADING  
NOZZLE ARRAY FN

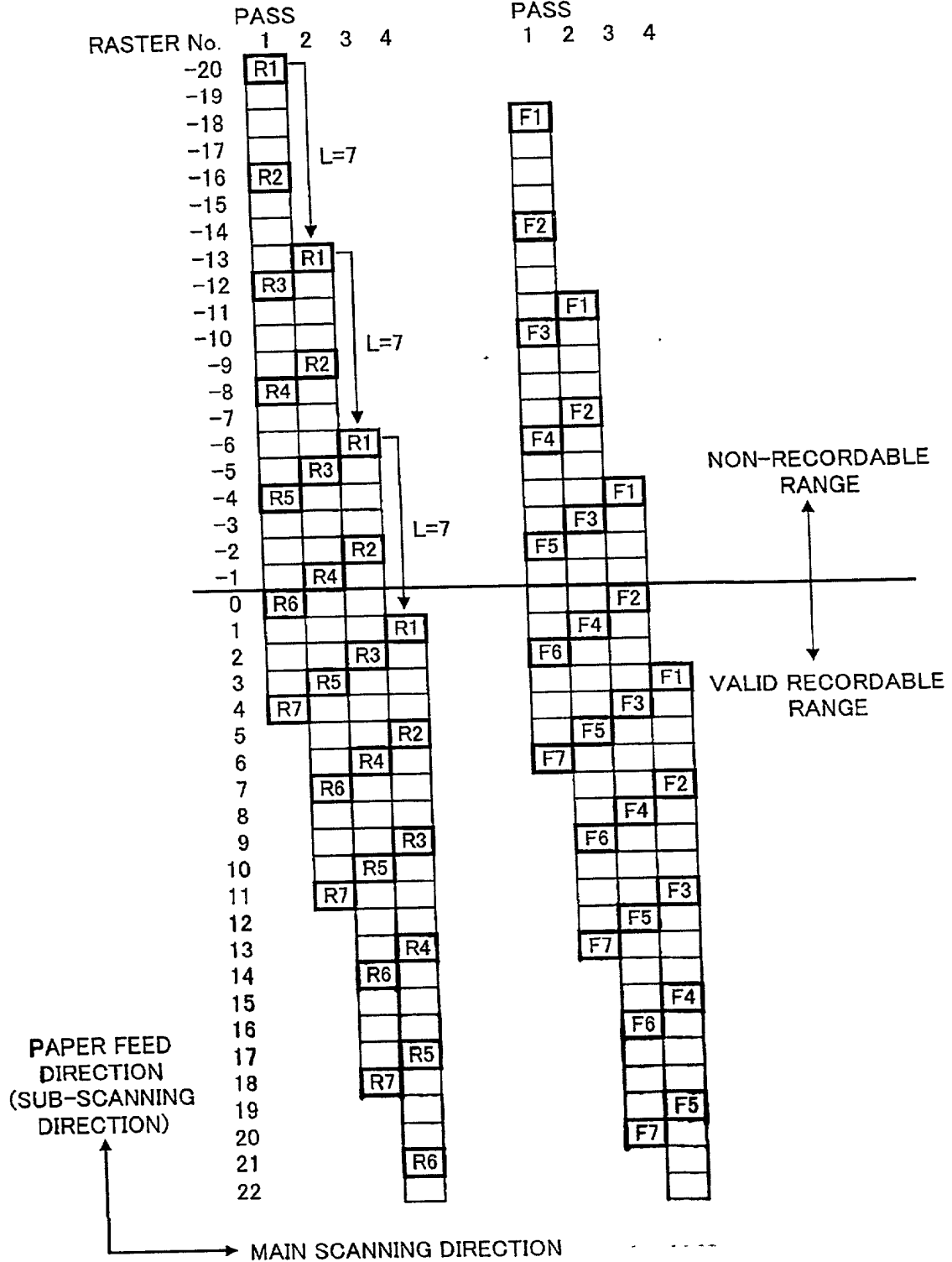




Fig. 18A

Fig. 18B

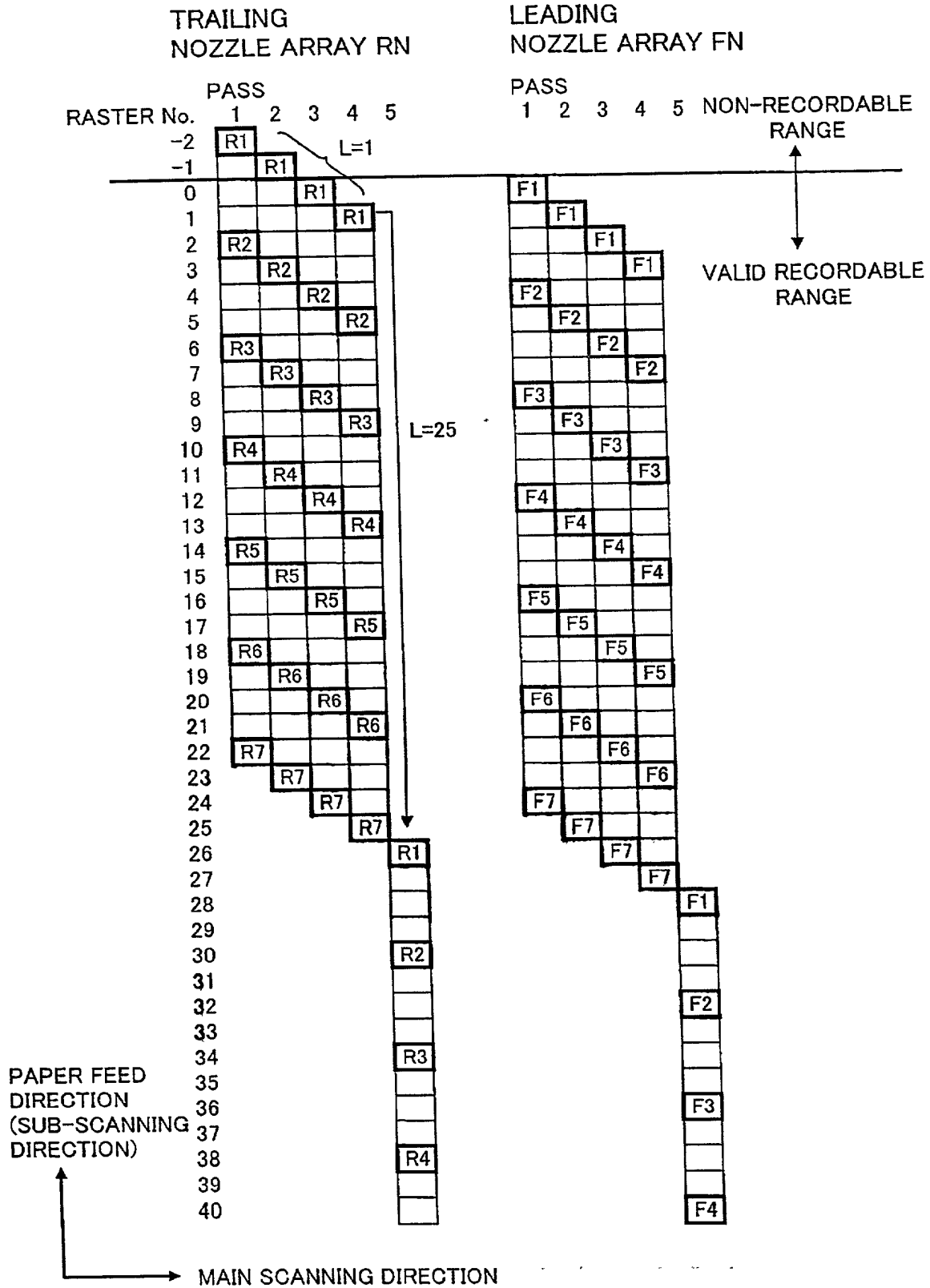


Fig. 19A

TRAILING  
NOZZLE ARRAY RN

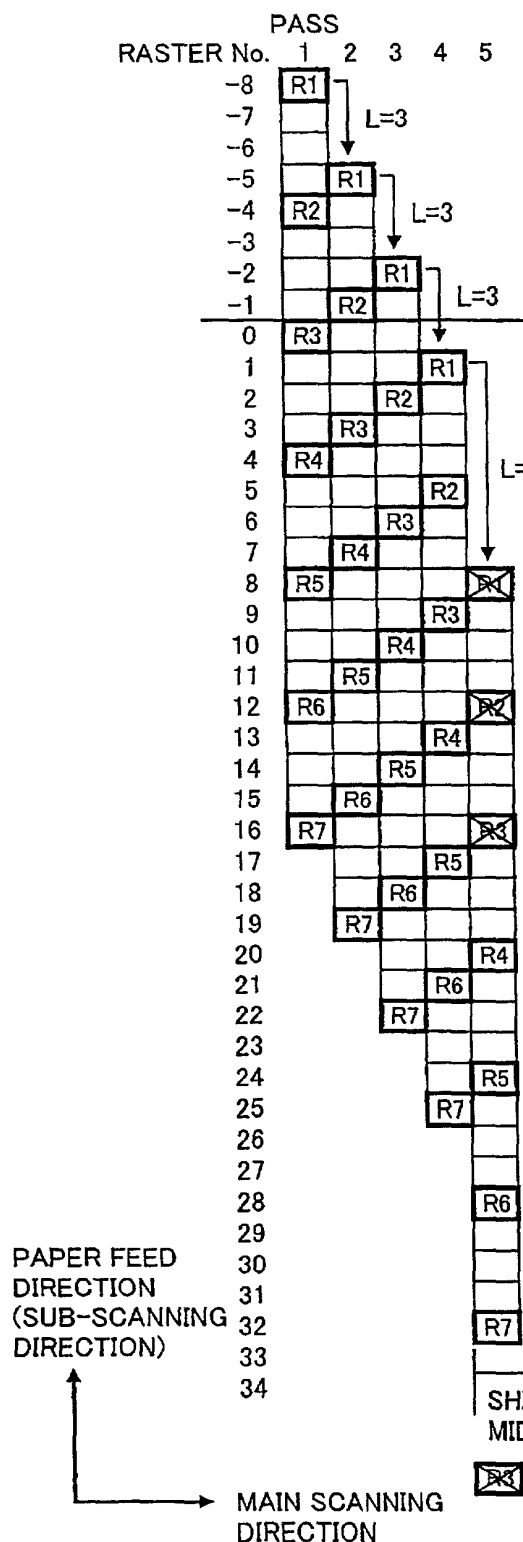


Fig. 19B

LEADING  
NOZZLE ARRAY FN

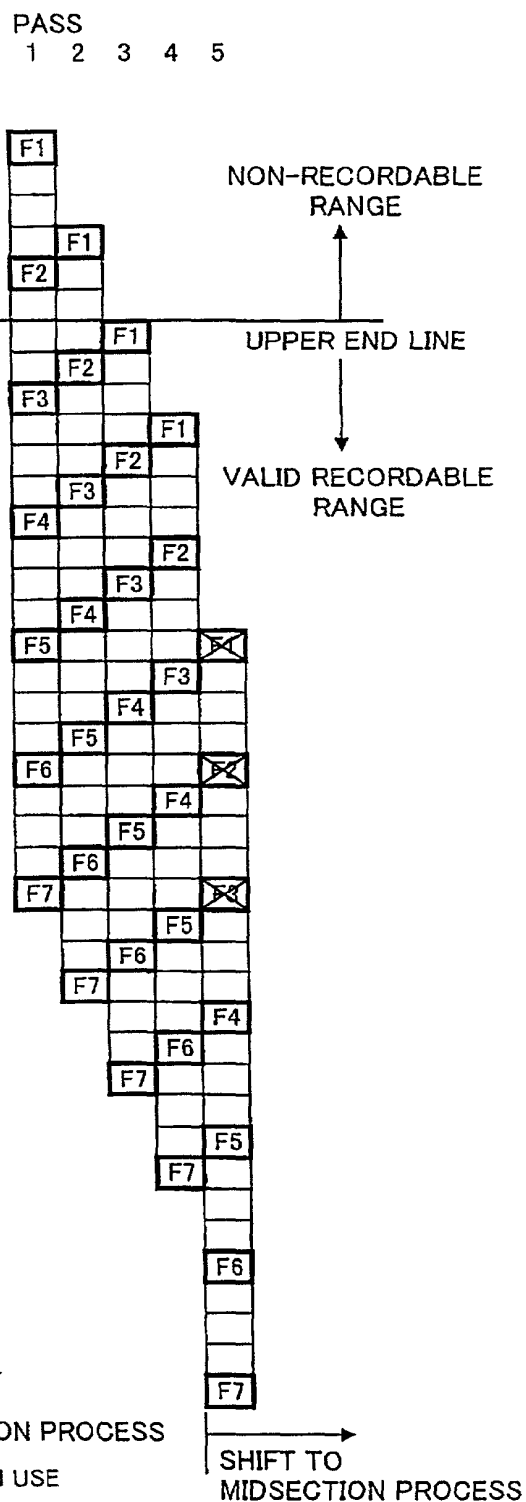


Fig. 20A

TRAILING  
NOZZLE ARRAY RN

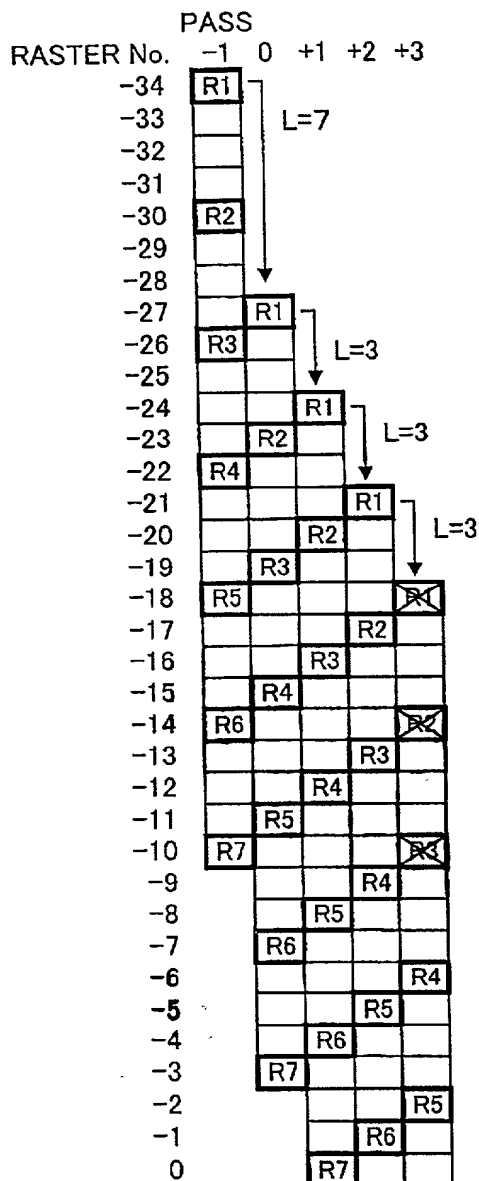
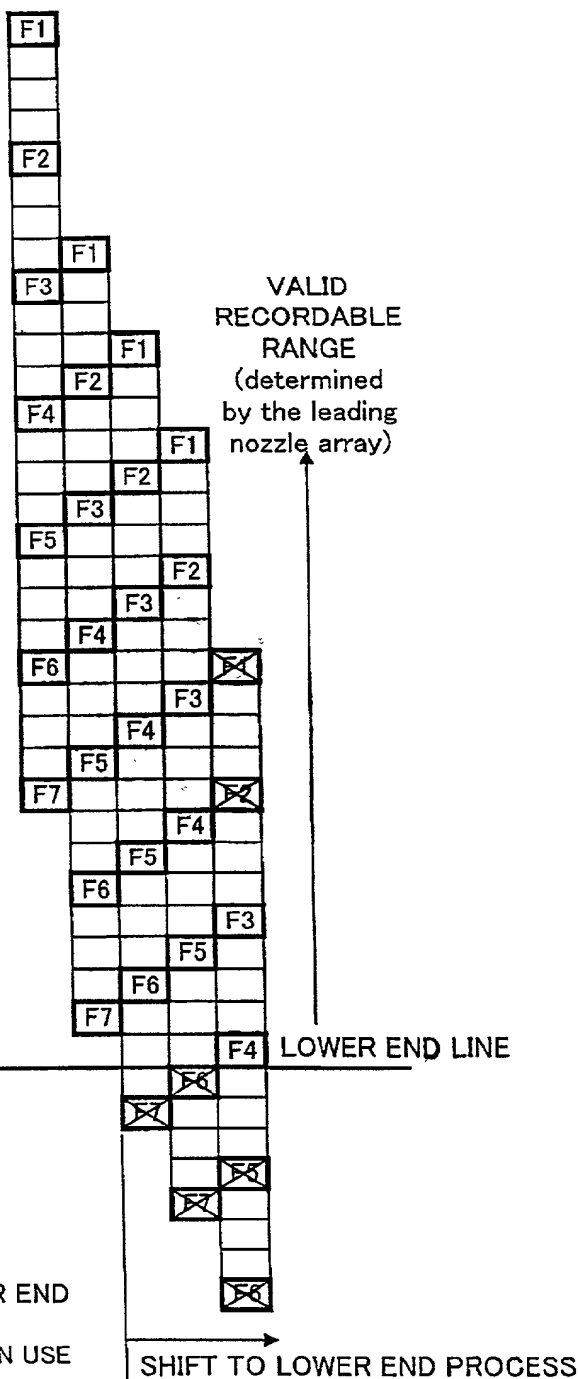


Fig. 20B

LEADING  
NOZZLE ARRAY FN

PASS  
-1 0 +1 +2 +3



PAPER FEED  
DIRECTION  
(SUB-SCANNING  
DIRECTION)

SHIFT TO LOWER END  
PROCESS

NOT IN USE

MAIN SCANNING DIRECTION

SHIFT TO LOWER END PROCESS